

What is claimed is:

1. A method for recording and reproducing audio-related data to or from a digital video disc, comprising the steps of:

5 transmitting at least one musical composition via a digital video disc, together with bonus information relating to said musical composition and an approved interactive data required when a user accesses said bonus information;

10 receiving an arbitrary interactive data entered by the user accessing said bonus information; and

reproducing the transmitted musical composition regardless of said entered interactive data, and allowing a reproduction of said bonus information only when said entered interactive data agrees with said approved interactive data.

15 2. The recording and reproducing method in accordance with claim 1, wherein said musical composition is a main source to be recorded on or reproduced from the digital video disc, and at least one optional source is selectable from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiries.

20 3. The recording and reproducing method in accordance with claim 1, wherein said approved interactive data is a password.

25 4. The recording and reproducing method in accordance with claim 1, wherein said approved interactive data is obtainable by paying for it.

5. The recording and reproducing method in accordance with claim 1, wherein said approved interactive data is obtainable by answering a given

inquiry.

6. An encoding apparatus for a digital video disc comprising:

an A/D conversion means for converting audio analog signals of at least one musical composition into a digital form and producing a digital data stream; and

a recording means for recording said digital data stream on a digital video disc together with bonus information relating to said musical composition and an approved interactive data required when a user accesses said bonus information.

7. The encoding apparatus in accordance with claim 6, wherein said musical composition is a main source to be recorded on the digital video disc, and at least one optional source is selectable from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiry.

8. The encoding apparatus in accordance with claim 6, wherein said approved interactive data is a password.

9. The encoding apparatus in accordance with claim 6, wherein said approved interactive data is obtainable by paying for it.

10. The encoding apparatus in accordance with claim 6, wherein said approved interactive data is obtainable by answering a given inquiry.

11. A digital video disc comprising:

a first recording portion for storing a digital data stream obtained by A/D converting audio analog signals of at least one musical composition;

a second recording portion for storing bonus information relating to said

musical composition; and

a third recording portion for storing an approved interactive data required when a user accesses said bonus information.

5           12. The digital video disc in accordance with claim 11, wherein said musical composition is a main source, and at least one optional source is selectable from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiries.

10           13. The digital video disc in accordance with claim 11, wherein said approved interactive data is a password.

14. The digital video disc in accordance with claim 11, wherein said approved interactive data is obtainable by paying for it.

15. The digital video disc in accordance with claim 11, wherein said approved interactive data is obtainable by answering a given inquiry.

20           16. A decoding apparatus for a digital video disc which stores a digital data stream obtained by A/D converting audio analog signals of at least one musical composition, bonus information relating to said musical composition, and an approved interactive data required when a user accesses said bonus information, said decoding apparatus comprising:

25           an input means for receiving an arbitrary interactive data entered by the user accessing said bonus information; and

a reproducing means for reproducing said musical composition regardless of said entered interactive data, and allowing a reproduction of said bonus information only when said entered interactive data agrees with said approved interactive data.

17. The decoding apparatus in accordance with claim 16, wherein said musical composition is a main source to be reproduced from the digital video disc, and at least one optional source is selectable from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiries.

18. The decoding apparatus in accordance with claim 16, wherein said approved interactive data is a password.

19. The decoding apparatus in accordance with claim 16, wherein said approved interactive data is obtainable by paying for it.

20. The decoding apparatus in accordance with claim 16, wherein said approved interactive data is obtainable by answering a given inquiry.

21. A method for recording and reproducing audio-related data to and from a digital video disc comprising the steps of:

transmitting at least one musical composition via a digital video disc, together with a program for reproducing one of musical composition groups and an approved interactive data required when a user accesses a specific musical composition group;

receiving an arbitrary interactive data entered by the user accessing said specific musical composition group; and

allowing a reproduction of said specific musical composition group only when said entered interactive data agrees with said approved interactive data.

22. An encoding apparatus for a digital video disc comprising:

an A/D conversion means for converting audio analog signals of at least one musical composition into a digital form and producing a digital data stream; and

a recording means for recording said digital data stream on a digital video disc together with a program for reproducing one of musical composition groups and an approved interactive data required when a user accesses a specific musical composition group.

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23. A digital video disc comprising:

a first recording portion for storing a digital data stream obtained by A/D converting audio analog signals of at least one musical composition;

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a second recording portion for storing a program for reproducing one of musical composition groups; and

a third recording portion for storing an approved interactive data required when a user accesses a specific musical composition group.

24. A decoding apparatus for a digital video disc which stores a digital data stream obtained by A/D converting audio analog signals of at least one musical composition, a program for reproducing one of musical composition groups, and an approved interactive data required when a user accesses a specific musical composition group, said decoding apparatus comprising:

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an input means for receiving an arbitrary interactive data entered by said user accessing said specific musical composition group; and

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a reproducing means for reproducing said specific musical composition group only when said entered interactive data agrees with said approved interactive data.

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25. An encoding apparatus for a digital video disc comprising:

an A/D converter for converting audio analog signals of at least one musical composition into a digital form by sampling said audio analog signals at a predetermined sampling frequency and producing a digital data stream;

a signal processing circuit for processing said digital data stream to

produce a user data pack;

an encoding circuit for receiving said user data pack together with bonus information relating to said musical composition and an approved interactive data required when a user accesses said bonus information, and producing  
5 audio and video data; and

a modulating circuit for modulating said audio and video data according to a modulation procedure suitable for the type of a digital video disc on which said audio and video data are recorded.

10 26. The encoding apparatus in accordance with claim 25, wherein said encoding circuit produces packing data of said musical composition as a main source to be recorded on said digital video disc, as well as packing data of at least one optional source selected from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiries.

5 27. The encoding apparatus in accordance with claim 25, wherein said bonus information is a program for reproducing one of musical composition groups and said approved interactive data is required when the user accesses a specific musical composition group.

20 28. The encoding apparatus in accordance with claim 25, wherein said approved interactive data is a password.

25 29. The encoding apparatus in accordance with claim 25, wherein said approved interactive data is obtainable by paying for it.

30. The encoding apparatus in accordance with claim 25, wherein said approved interactive data is obtainable by answering a given inquiry.

31. A decoding apparatus for a digital video disc which stores a digital data stream obtained by A/D converting audio analog signals of at least one musical composition, bonus information relating to said musical composition, and an approved interactive data required when a user accesses said bonus information, said decoding apparatus comprising:

a judging means for judging whether or not an arbitrary interactive data entered by the user agrees with said approved interactive data;

a modulation circuit for demodulating received signals in compliance with a demodulation procedure suitable for the digital video disc;

a decoding circuit for separating said demodulated signal into audio and video packing data of said musical composition and said bonus information;

a reproduction control means for reproducing audio and video data of said musical composition from said decoding circuit regardless of said entered interactive data and for allowing a reproduction of said bonus information in response to a judgement result of said judging means only when said entered interactive data agrees with said approved interactive data.

32. The decoding apparatus in accordance with claim 31, wherein said decoding circuit produces packing data of said musical composition as a main source to be reproduced from said digital video disc, as well as packing data of at least one optional source selected from the group consisting of taped accompaniments, BGM sounds, MIDI codes, and inquiries.

33. The decoding apparatus in accordance with claim 31, wherein said bonus information is a program for reproducing one of musical composition groups and said approved interactive data is required when the user accesses a specific musical composition group.

34. The decoding apparatus in accordance with claim 31, wherein said

approved interactive data is a password.

35. The decoding apparatus in accordance with claim 31, wherein said approved interactive data is obtainable by paying for it.

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36. The decoding apparatus in accordance with claim 31, wherein said approved interactive data is obtainable by answering a given inquiry.